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DYNEX™

ATSC 20" Round TV/DVD Combo

Product Description [French]
Product Description [Spanish]

DX-R20TR

USER GUIDE
GUIDE DE L'UTILISATEUR • GUÍA DEL USUARIO

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Dynex DX-R20TR
ATSC 20" Round TV/DVD Combo

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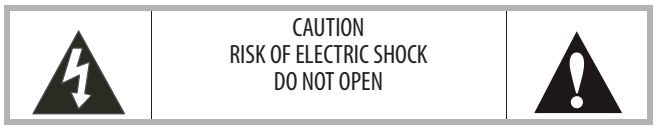
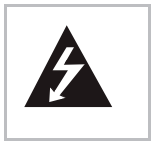
Important safety instructions



Warning: *To reduce the risk of electric shock, do not remove the cover or back. No user serviceable parts inside. Refer servicing to qualified service personnel. To reduce the risk of fire or electric shock, do not expose your TV combo to rain or moisture.*

Caution: *To prevent electric shock, match the wide blade on the power cord plug to the wide slot on an electric outlet. If the plug does not fit, consult a licensed electrician to replace the obsolete outlet. Do not modify the power cord plug, or you will defeat this safety feature.*



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV combo. This label is located on the back of your TV combo.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV combo.

Read instructions

Read all of the safety and operating instructions before you use your TV combo.

Retain instructions

Retain safety and operating instructions for future reference.

Follow warnings and instructions

Follow all warnings on your TV combo and in the operating instructions. Follow all operating and use instructions.

Water and moisture

Do not use your TV combo near water. For example, do not use it near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

Cleaning

Unplug your TV combo before cleaning. Do not use liquid or aerosol cleaners. Use only a damp cloth to clean the exterior of your TV combo.

Note: *A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may disregard the reference to unplugging the appliance in the cleaning description.*

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Ventilation

Slots and openings in the cabinet and the back or bottom are provided for ventilation, reliable operation, and protection from overheating. These openings must not be blocked or covered. Do not block the openings by placing your TV combo on a bed, sofa, rug, or other similar surface. Do not place your TV combo near or over a radiator or heat register. Do not place your TV combo in a built-in installation, such as a bookcase or rack, unless you provide correct ventilation or follow the manufacturer's instructions.

Heat

Make sure that your TV combo is located away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Grounding or polarization

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a grounding prong. The wide blade or grounding prong are provided for your safety. If the plug does not fit, contact an electrician to replace the obsolete outlet.

Power cord protection

Route power cords so that they are not likely to be walked on or pinched by items placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from your TV combo.

Disc

Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and damage to your TV combo.

Disc slot

Keep your fingers clear of the disc slot as it is closing. You may injure your fingers.

Sound volume

Reduce the volume to the minimum level before you turn on your TV combo. Otherwise, sudden high volume sound may cause hearing loss or speaker damage.

Sound distortion

Do not use your TV combo for an extended time with the sound distorted because the speakers may overheat and cause fire.

Attachments

Do not use attachments not recommended by Insignia because they may cause hazards.

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Stand

Do not place your TV combo on an unstable cart, stand, tripod, bracket, or table. Your TV combo may fall, causing serious personal injury and serious damage to your TV combo. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with your TV combo. If you mount your TV combo to the wall, follow the manufacturer's instructions and use a mounting accessory recommended by the manufacturer. Your TV combo and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause your TV combo and cart combination to overturn.

Wall or ceiling mount

When mounting the your TV combo on a wall or ceiling, make sure that you install the your TV combo according to the method recommended by the manufacturer of the mounting or support device.

Lightning

For added protection for your TV combo's receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect the antenna or cable system. This helps prevent damage to your TV combo from lightning and power line surges.

Servicing

Do not attempt to service your TV combo yourself because opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Overloading

Do not overload power outlets and extension cords because this can result in a risk of fire or electric shock.

Object and liquid entry

Never push objects of any kind into your TV combo through openings because objects may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on your TV combo.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

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Damage requiring service

Unplug your TV combo from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV combo.
- If your TV combo has been exposed to rain or water.
- If your TV combo does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV combo to its normal operation.
- If your TV combo has been dropped or damaged in any way.
- When your TV combo exhibits a distinct change in performance.

Safety check

After completing any service or repair to your TV combo, ask the service technician to perform routine safety checks to determine that your TV combo is in correct operating condition.

Power source

Operate your TV combo only from the type of power source indicated on the marking label. If you are not sure of the type power supplied to your home, consult your TV dealer or local power company.

Screen protection

Your TV combo's screen is made of glass. Do not drop your TV combo or hit the glass screen. If the screen breaks, be careful of broken glass.

Non-active pixels

The LCD panel contains almost 3 million thin-film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV combo, and are not considered defects.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV combo, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

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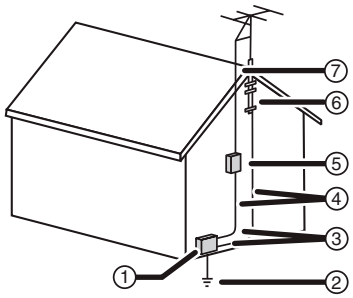
An outside antenna system should not be located near overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, because contact with them can be fatal.



1	Electric service equipment
2	Power service grounding electrode system
3	Ground clamps
4	Grounding conductors
5	Antenna discharge unit
6	Grounding clamp
7	Antenna lead-in wire

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for correct grounding and in particular, specifies that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

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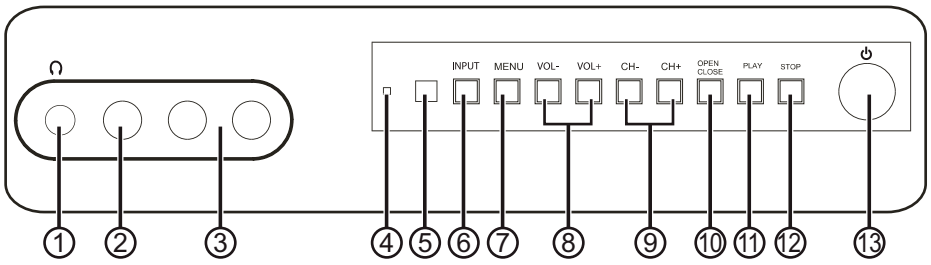
Features

Front



No.	Component	Description
1	Headphone jack	Plug headphones into this jack.
2	VIDEO jack	Plug the video connector on a standard A/V cable into this jack.
3	L-AUDIO-R jacks	Plug the left and right audio connectors on a standard A/V cable into these jacks.
4	Power indicator	Lights when your TV combo is turned on.
5	Remote control sensor	Receives signals from the remote control. Do not block.
6	INPUT button	Press to select TV or DVD mode.
7	MENU button	Press to open the TV on-screen display (OSD).
8	VOL–/VOL+	Press to decrease or increase the volume. When the OSD is open, press to adjust options.
9	CH–/CH+	Press to change the TV channel. When the OSD is open, press to make selections.
10	OPEN/CLOSE button	Press to open or close the DVD tray.
11	PLAY button	Press to start disc playback.
12	STOP button	Press to stop disc playback.
13	⏻ Power/Standby button	Press to turn your TV combo on or off, or press to bring your TV combo out of standby mode.

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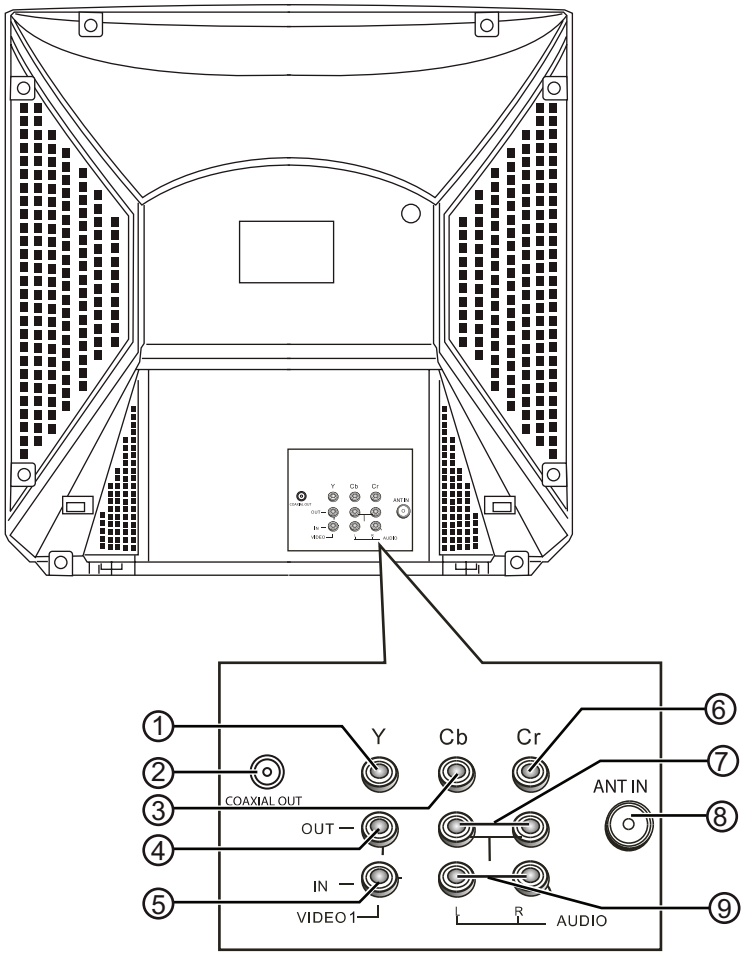
Back



No.	Component
1	DVD video Y input jack
2	COAXIAL OUT jack
3	DVD video Cb input jack
4	VIDEO OUT jack
5	VIDEO1 IN jack
6	DVD video Cr jack

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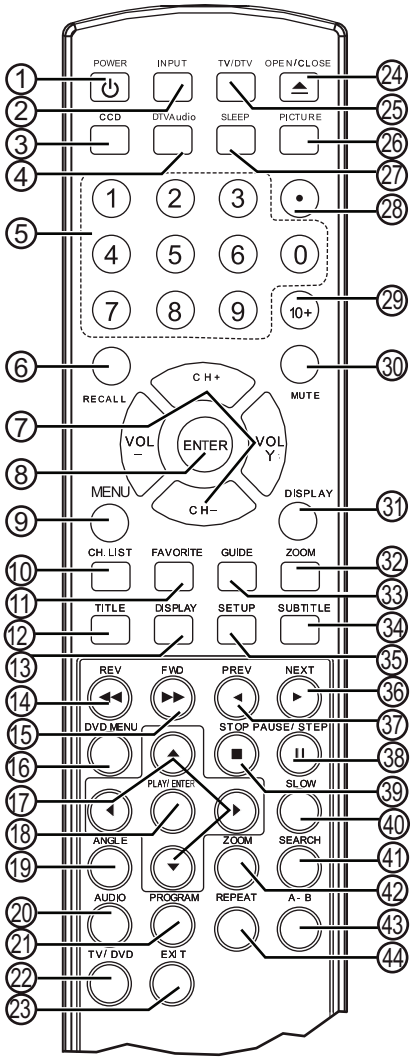
No.	Component
7	Right and left AUDIO OUT jacks
8	ANT IN jack
9	Right and left AUDIO IN jacks

Remote control



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Please review these button names and descriptions. Several of the buttons on the new remote are different from the old remote. I was not sure what some of the buttons do.

I have not changed the buttons in the tasks because I am not sure what to replace them with.

No.	Button	Description
1	POWER	Press to turn your TV combo on or off, or press to bring your TV combo out of standby mode.
2	INPUT	Press to select the video mode.
3	CCD	Press to select a closed captions mode.
4	DTV Audio	Press to select a second audio program if the TV program you are watching has an SAP.
5	Number buttons	Press to select a TV channel or to select a DVD chapter or CD track number. When the OSD is open, press to enter the password or make selections.
6	RECALL	Press to return to the previous channel.
7	VOL–/VOL+/CH–/CH+	Press to adjust the volume or change the TV channel. When the OSD is open, press to adjust options and make selections.
8	ENTER	Press to close the TV on-screen display (OSD).
9	MENU	Press to open the TV on-screen display (OSD).
10	CH.LIST	Press to open the DTV channel list.
11	FAVORITE	Press to open the DTV favorites list.
12	TITLE	Opens the DVD title menu, if available.
13	DISPLAY	Press one or more times to display the elapsed time and remaining time in a DVD title or chapter.
14	REV	Press to go backward on a disc.
15	FWD	Press to go forward on a disc.
16	DVD MENU	Press to open the DVD menu.
17	▼ ▲ ◀ ▶	Press to navigate through menus.
18	PLAY/ENTER	When playing a disc, press to start playback. When a menu is open, press to confirm a selection.
19	ANGLE	Press to select different viewing angles if the DVD was recorded with multiple viewing angles.

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No.	Button	Description
20	AUDIO	Press to select the disc audio mode.
21	PROGRAM	Press to enter program mode, then press the number buttons for the chapter or title where you want playback to start.
22	TV/DVD	Press to select TV or DVD mode.
23	EXIT	Press to close the TV program guide.
24	OPEN/CLOSE	Press to open or close the disc tray.
25	TV/DTV	Press to select analog (TV) or digital (DTV) TV mode.
26	PICTURE	Press to select the picture mode. You can select MILD, STANDARD, VIVID, or CUSTOM.
27	SLEEP	Press to set the sleep timer.
28	•	Press to select a digital TV sub channel. For example, to select channel 54 sub channel 3, press 54, press •, press 3, then press the **OK** button.
29	10+	Press in combination with number buttons to quickly input a number.
30	MUTE	Press to mute or restore the sound.
31	DISPLAY	Press to display the audio mode and information about the channel you are watching.
32	ZOOM	Press to enlarge the displayed image.
33	GUIDE	Press to open the TV program guide for cable or satellite TV.
34	SUBTITLE	Press to turn closed captions on or off.
35	SETUP	Press to open the DVD setup menu.
36	NEXT	Press to go to the next DVD chapter or CD track.
37	PREV	Press to go to the previous DVD chapter or CD track.

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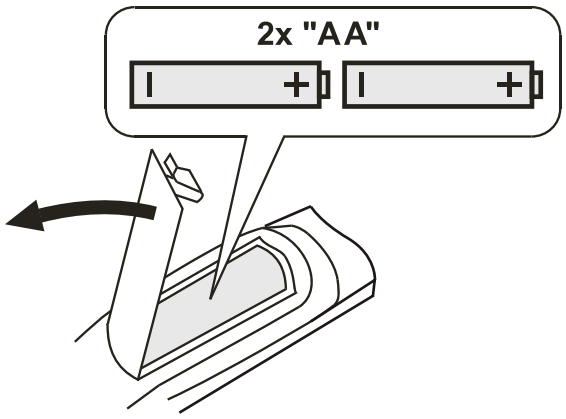
No.	Button	Description
38	PAUSE/STEP	Press to pause DVD playback. Press again to advance frame by frame.
39	STOP	Press to stop disc playback.
40	SLOW	Press to play a DVD forward slowly. Each time you press this button the slow speed changes.
41	SEARCH	Press to go to a specific point on a disc.
42	ZOOM	
43	A-B	Press to select the beginning and ending points for a playback loop.
44	REPEAT	Press to repeat a DVD chapter, DVD title, or an entire DVD.
	OK	This is a button from the old remote control. What button on the new remote control does this function? Press to close the TV on-screen display (OSD).
	TV/AV	This is a button from the old remote control. What button on the new remote control does this function? Press to select TV mode or an AV mode.
	ARC	This is a button from the old remote control. What button on the new remote control does this function? Press to select the DTV aspect ratio.

Installing remote control batteries

To install remote control batteries:

1 Remove the battery compartment cover.



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2 Insert two AA batteries into the battery compartment. Make sure that the + and – symbols on the batteries match the + and – symbols in the battery compartment.

3 Replace the battery compartment cover.

Caution:

Do not throw batteries into fire. Dispose of batteries as hazardous waste.

When you do not plan to use the remote control for an extended period of time, remove the batteries to prevent leakage.

Do not leave old batteries in the remote control.

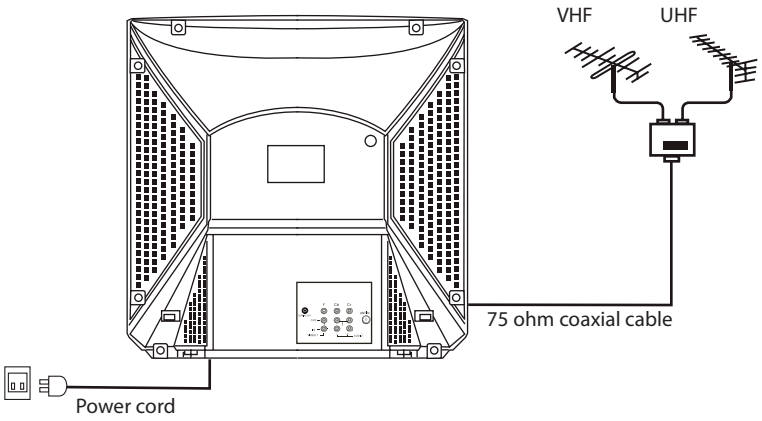
Do not expose the remote control to liquids.

Do not drop or disassemble the remote control.

Setting up your TV combo

Connecting an antenna

Use the following illustration to connect an antenna.



Note: *We recommend an 75 ohm cable to avoid interference. Do not bind the antenna cable to any other cables.*

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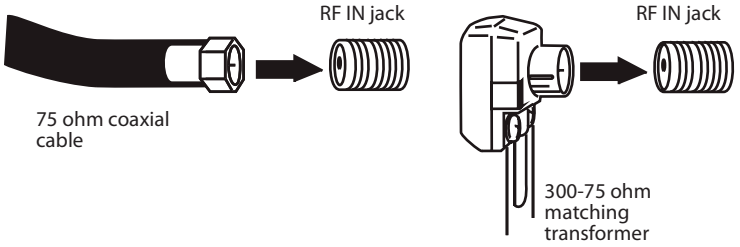
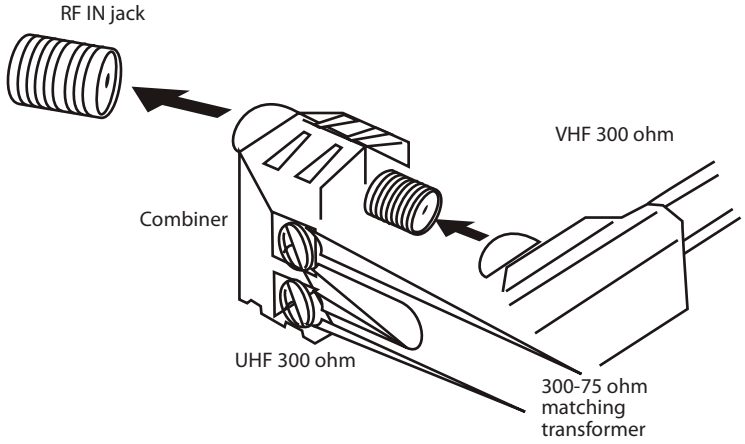
To connect a VHF/UHF combination antenna with a single 75 ohm cable or twin-lead 300 ohm wires:

- Connect the 75 ohm cable from the VHF/UHF antenna to the **RF IN** jack on the back of your TV combo. If your antenna has a 300 ohm twin-lead wire, use a 300-75 ohm transformer (not included).



To connect a combination VHF/UHF antenna with separate VHF and UHF 300 ohm twin-lead wires:

1 Connect the UHF 300 ohm twin-lead wire to the combiner (not included).



2 Connect the VHF 300 ohm twin-lead wire to the 300-75 ohm matching transformer.

3 Attach the transformer to the combiner, then attach the combiner to the **RF IN** jack on the back of your TV combo.

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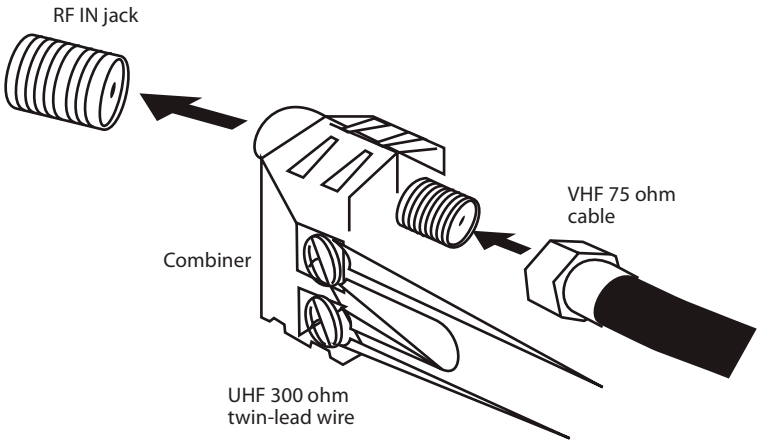
To connect separate VHF and UHF antennas (75 ohm VHF and 300 ohm UHF twin-lead wires:

1 Connect the VHF 75 ohm cable and UHF 300 ohm twin-lead wires to the combiner (not included).

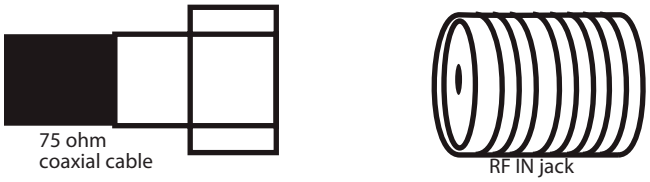


2 Attach the combiner to the **RF IN** jack on the back of your TV combo.

Connecting cable TV

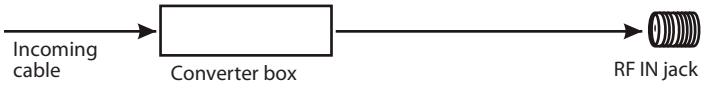
To connect basic cable (no converter box):

- Connect the 75 ohm coaxial cable to the cable outlet and the **RF IN** jack on the back of your TV combo.



To connect a cable converter box:

1 Connect a 75 ohm cable from the cable outlet to the **IN** jack on the cable converter box.



2 Connect a 75 ohm cable from the **OUT** jack on the converter box to the **RF IN** jack on the back of your TV combo.

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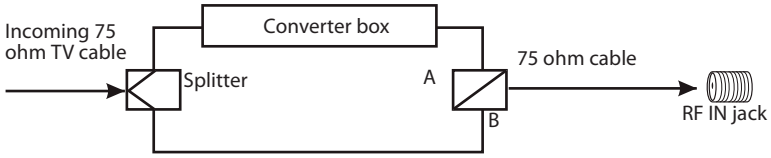
To connect cable with scrambled and unscrambled channels:

- Use the following illustration to connect the cable using a splitter (not included) and an A/B switch box (not included).



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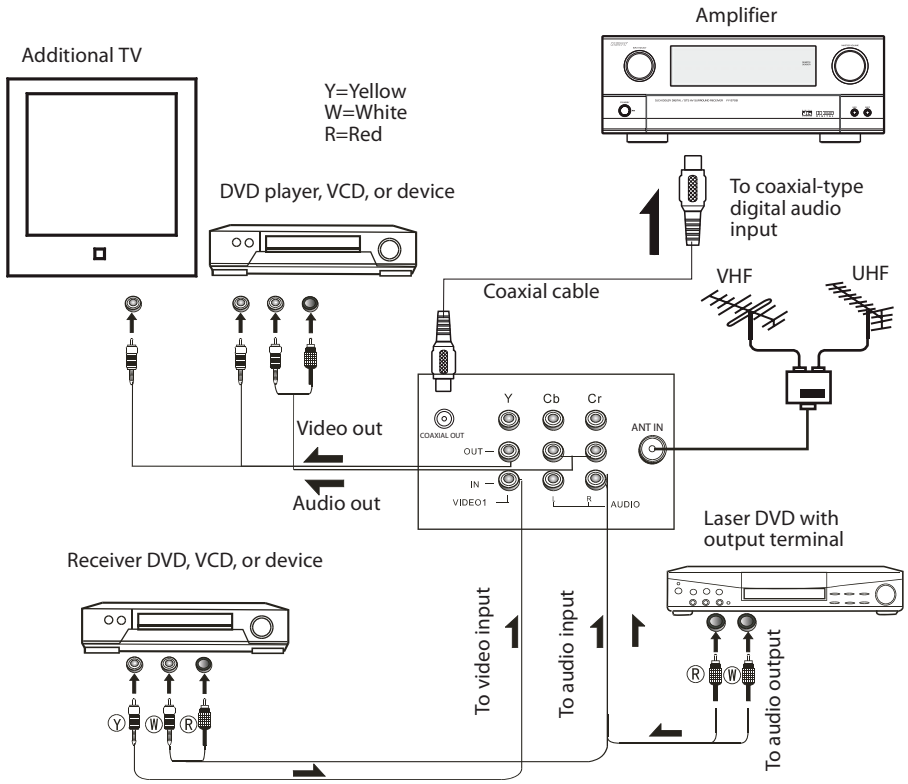
Connecting other video devices

Use the following illustration to connect devices, such as a DVD player, VCR, or stereo system.



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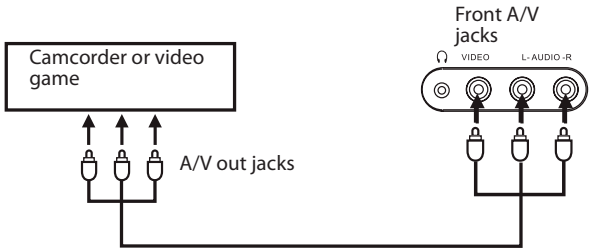
Using the front audio/video input jacks

To connect a camcorder or video game:

- Use the following illustration to connect a camcorder or video game.

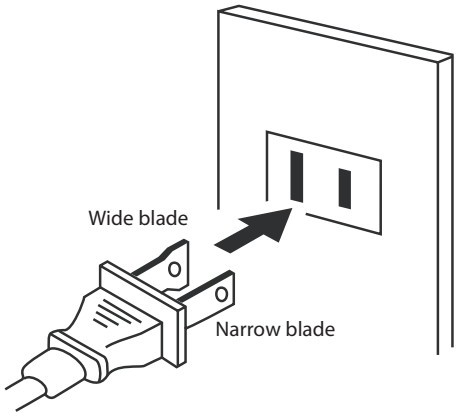


Using the TV

Turning your TV combo on and off

To turn your TV combo on and off:

1. Plug the power cord into a polarized power outlet. Your TV combo has a polarized plug (one blade is wider then the other).



Caution: *Only connect your TV combo to a 120 V 60 Hz power outlet. If the plug does not fit into the outlet, do not alter plug. Instead, contact an electrician to replace the obsolete outlet.*

Note: *If you cause a static electric discharge when you touch your TV combo and your TV combo does not function correctly, unplug the power cord, wait a few seconds, then plug it back in.*

2. Press the **POWER** button to turn your TV combo on or off.

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Selecting the video mode

Note: *Unless otherwise stated, all buttons in tasks are remote control buttons.*

To select the video mode:

1. Turn on your TV combo.
2. Press the **INPUT** [Is this the correct button?] button one or more times to select the video mode you want. You can select:
   - AV1–For a device connected to the back A/V jacks.
   - AV2–For a device connected to the front A/V jacks.
   - YUV–For a device connected to the Y, Cb, and Cr jacks.
   - TV–For watching TV or playing a disc.

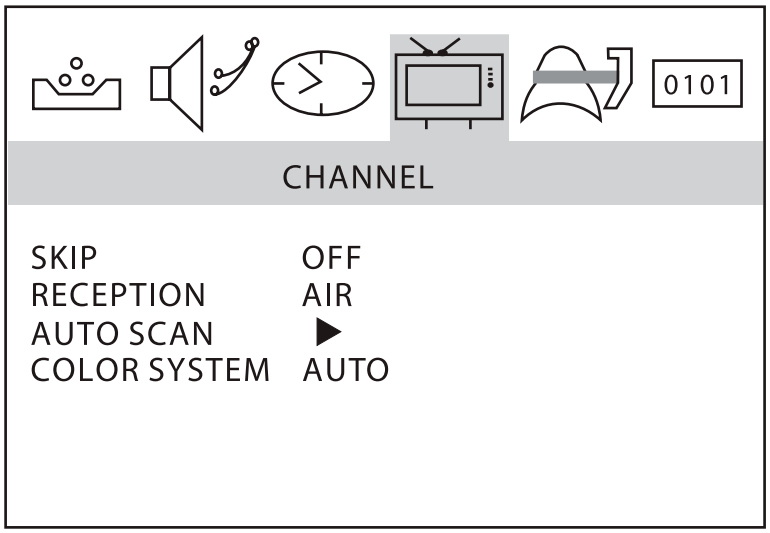
   The option you selected appears in the upper right corner of the screen.

Memorizing TV channels

To use the **CH+** and **CH–** buttons to change channels, you need to memorize channels. Your TV combo scans for available channels and stores the channel information in memory.

To memorize TV channels:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **CHANNEL**, then press the **CH–** button. The *CHANNEL* menu opens.



3. Press the **CH+** or **CH–** button to select **RECEPTION**.

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4 Press the **VOL+** or **VOL–** button to select the signal mode. You can select:
   - **AIR**–Analog and digital antenna signal
   - **CABLE**–Analog and digital cable signal
5 Press the **CH+** or **CH–** button to select **AUTO SCAN**.
6 Press the **VOL+** button to begin scanning for channels. When the scan is complete, the smallest memorized channel is displayed. If you press the **MENU** button during the scan, the scan is cancelled and the smallest memorized channel is displayed.

Deleting a memorized channel

To delete a memorized analog channel:

1 Tune to the channel you want to delete.
2 Press the **MENU** button. The TV on-screen display (OSD) opens.
3 Press the **VOL+** or **VOL–** button to select **CHANNEL**, then press the **CH–** button. The *CHANNEL* menu opens.
4 Press the **CH+** or **CH–** button to select **SKIP**, then press the **VOL+** or **VOL–** button to select **ON**.

   Tip: *You can add a channel to memory by using the number buttons to enter the channel number, then completing the steps for deleting a memorized channel and setting the* ***SKIP*** *option to* ***OFF****.*

To delete a memorized digital channel:

Please make sure this task is correct.

1 Tune to the channel you want to delete.
2 Press the **CH.LIST** button to open the *CHANNEL LIST* screen.
3 Press **CH+** or **CH–** button to select **SKIP**, then press the **VOL+** button to select **ON**.

   Tip: *You can add a channel to memory by using the number buttons to enter the channel number, then completing the steps for deleting a memorized channel and setting the* ***SKIP*** *option to* ***OFF****.*

Changing TV channels

To change TV channels:

- Press the **CH+** or **CH–** button.
- Or, press the number buttons for the channel you want. For example:
  - To select channel 2, press **2**.
  - To select channel 32, press **3** then press **2**.
  - To select channel 132, press **1**, press **3**, then press **2**.
- Or, press the **Q.VIEW** button to go to the previously viewed channel. Press this button again to return to the current channel.

In DTV broadcasting, a main (major) channel may have sub (minor) channels.

To select a minor channel:

1 Press the number buttons for the major channel. For example, to select channel 54, press **5**, then press **4**.
2 Press the **–** button, then press the number button for the minor channel. For example, to select the minor channel 3, press **–**, then press **3**.

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3 Press the **OK** button.

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Adjusting the volume

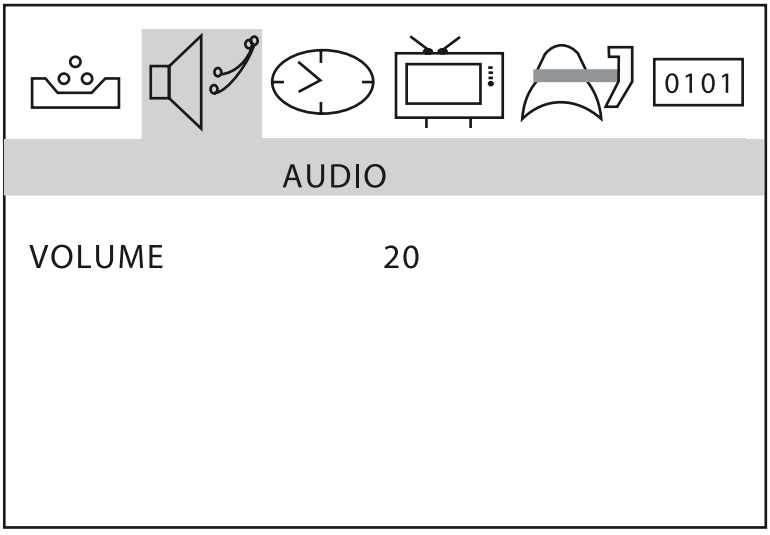
To adjust the volume:

- Press the **VOL+** or **VOL–** button to increase or decrease the volume.
- Press the **MUTE** button to mute the sound. Press this button again to restore the sound.

You can also adjust the volume from the TV on-screen display (OSD).

To adjust the volume from the OSD:

1. Press the **MENU** button. The TV OSD opens.
2. Press the **VOL+** or **VOL–** button to select **AUDIO**. The *AUDIO* menu opens.



3. Press the **CH+** or **CH–** button to select **VOLUME**, then press the **VOL+** or **VOL–** button to adjust the volume.

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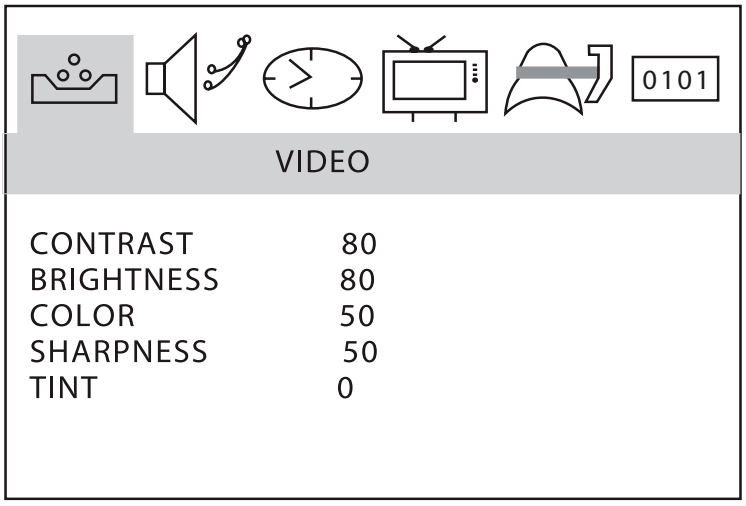
Adjusting the video

To adjust the video:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **VIDEO**, then press the **CH–** button. The *VIDEO* menu opens.



3. Press the **CH+** or **CH–** button to select the option you want to adjust, then press the **VOL+** or **VOL–** button to adjust the option. You can adjust:
   - **CONTRAST**–Adjusts the bright areas of the screen image while leaving the dark areas unchanged.
   - **BRIGHTNESS**–Adjusts the overall lightness of the screen image. This usually lightens the darker areas of the screen image.
   - **COLOR**–Adjusts the color saturation level of the screen image.
   - **SHARPNESS**–Adjusts the fine details of the screen image.
   - **TINT**–Adjusts the color mixture of the screen image.

Selecting the picture mode

To select the picture mode:

- Press the **PICTURE** button one or more times to select the picture mode you want. You can select **MILD**, **STANDARD**, **VIVID**, or **CUSTOM**.

Selecting the audio source for DTV

To select the audio source for DTV:

- Press the **DTV Audio** button one or more times. The first time you press this button, the currently selected language and the total number of available languages appears. Each time you press this button, the language changes.

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Note: *If you press the* ***DTV Audio*** *button when an external A/V device is selected, nothing happens.*

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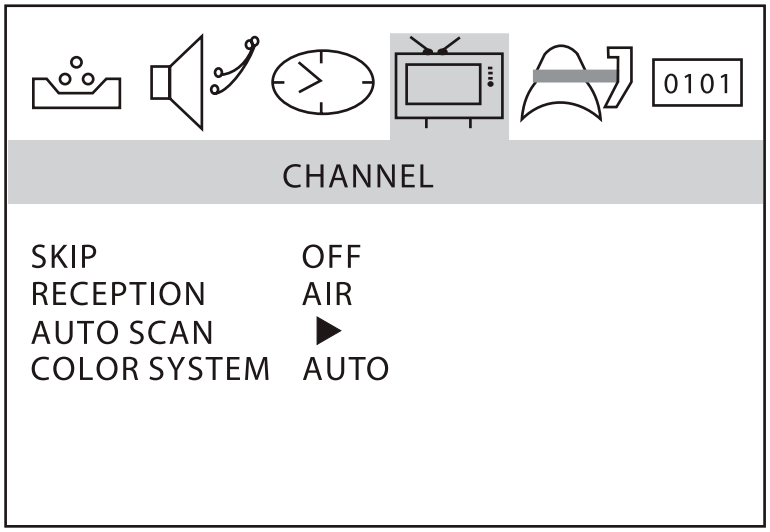
Selecting the color system for ATV

To select the color system for ATV:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **CHANNEL**, then press the **CH–** button. The *CHANNEL* menu opens.



3. Press the **CH+** or **CH–** button to select **COLOR SYSTEM**, then press the **VOL+** or **VOL–** button to select **AUTO** or **NTSC**.

   Note: *The **COLOR SYSTEM** option only appears if the TV signal is analog.*

Displaying channel and program information

To display channel and program information for analog TV:

1. Press the round **DISPLAY** button. The currently selected channel and audio mode appear in the upper right corner of the screen.
2. Press the round **DISPLAY** button again to turn off the display.

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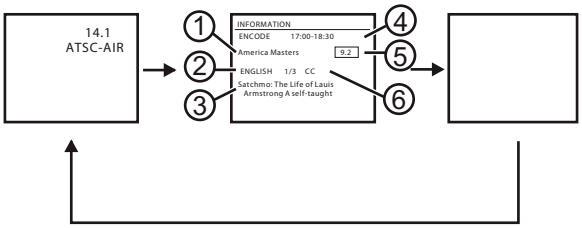
To display channel and program information for digital TV:

1. Press the round **DISPLAY** button. The currently selected channel and the signal mode appear in the upper right corner of the screen.
2. Press the round **DISPLAY** button again. Information about the currently selected channel and program appears.



No.	Information
1	Channel title
2	Audio language
3	Program content
4	Program air time
5	Channel number
6	Closed caption mode

3. Press the round **DISPLAY** button again to close the display.

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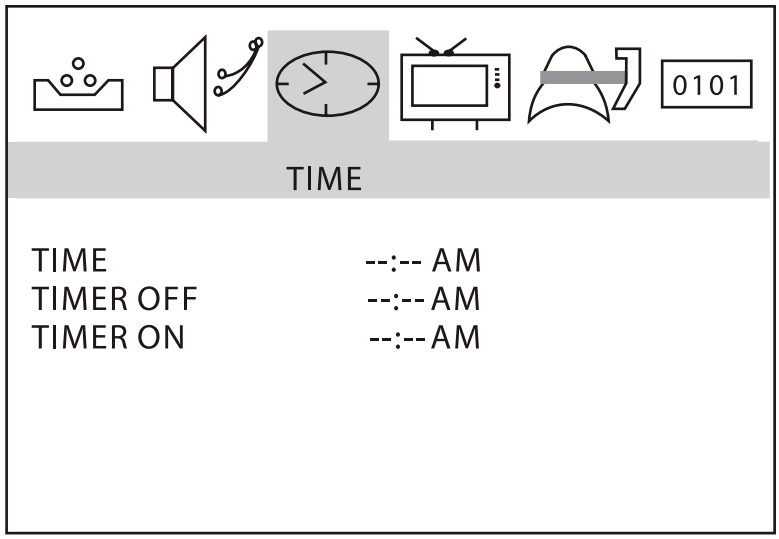
Setting the time

To set the time:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **TIME**, then press the **CH–**. The *TIME* menu opens.



3. Press the **CH+** or **CH–** button to select **TIME**, then press the **CH+** or **CH–** button to select **--:-- AM**.
4. Press the **VOL+** or **VOL–** button to change to setting.
5. Press the **MENU** button one or more times to close the OSD.

Note: *After a power failure or if you disconnect the power cord, the time setting is lost. You will need to reset the time.*

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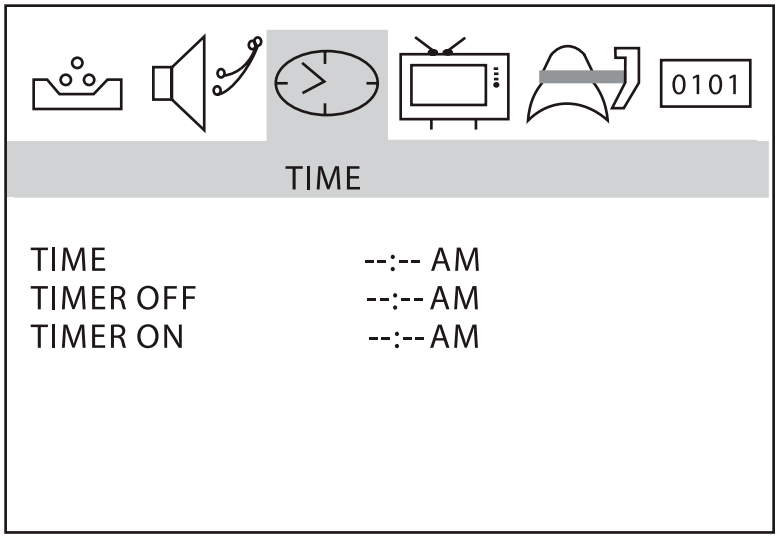
Setting the timer

You can use the timer to specify when you want your TV combo to automatically turn on or off. This timer turns your TV combo on or off each day at the same time. If you want to set a timer to automatically turn off your TV combo just one time, use the sleep timer. For more information, see "Setting the sleep timer" on page 32.

To set the timer that turns your TV combo on:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **TIME**, then press the **CH–** button. The *TIME* menu opens.



3. Press the **CH+** or **CH–** button to select **TIME ON**, then press the **CH+** or **CH–** to select **--:--**, then press the **VOL+** or **VOL–** button to set the value.
4. Press the **CH+** or **CH–** button to select **AM**, then press the **VOL+** or **VOL–** button to select **AM** or **PM**.
5. Press the **MENU** button one or more times to close the OSD.

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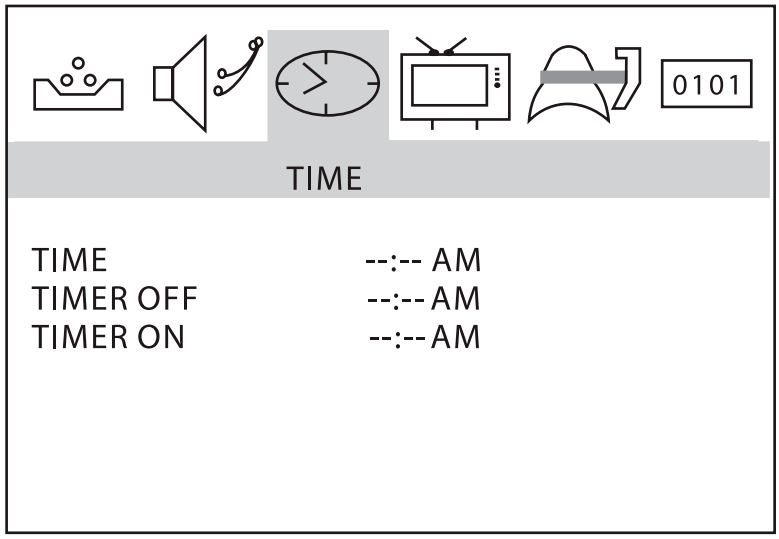
To set the timer that turns your TV combo off:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **TIME**, then press the **CH–** button. The *TIME* menu opens.



3. Press the **CH+** or **CH–** button to select **TIME OFF**, then press the **CH+** or **CH–** to select **--:--**, then press the **VOL+** or **VOL–** button to set the value.
4. Press the **CH+** or **CH–** button to select **AM**, then press the **VOL+** or **VOL–** button to select **AM** or **PM**.
5. Press the **MENU** button one or more times to close the OSD.

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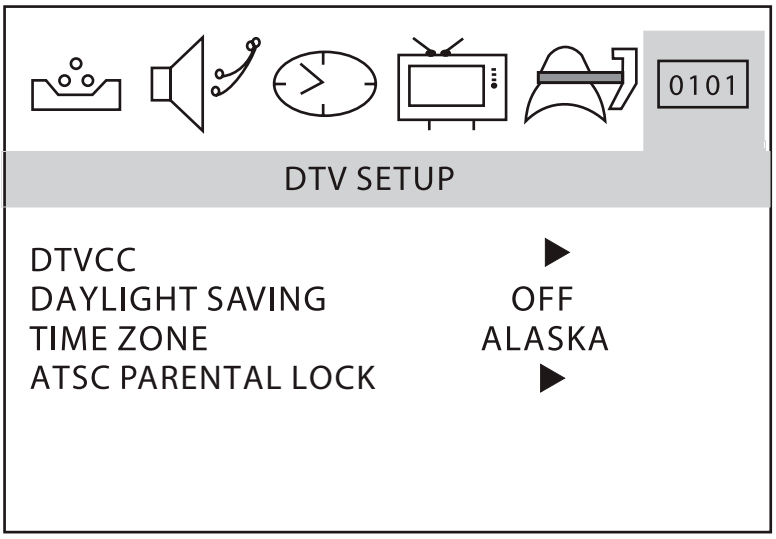
Turning off the daylight saving time feature

Daylight saving time is automatically set by specially broadcast signals. If you live in an area that does not use daylight saving time, you can turn this feature off so your TV combo's time is not automatically adjusted.

To turn off the daylight saving time feature:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **DTV SETUP**, then press the **CH–** button. The *DTV SETUP* menu opens.



3. Press the **CH+** or **CH–** button to select **DAYLIGHT SAVING**, then press the **VOL+** or **VOL–** to select **OFF**.

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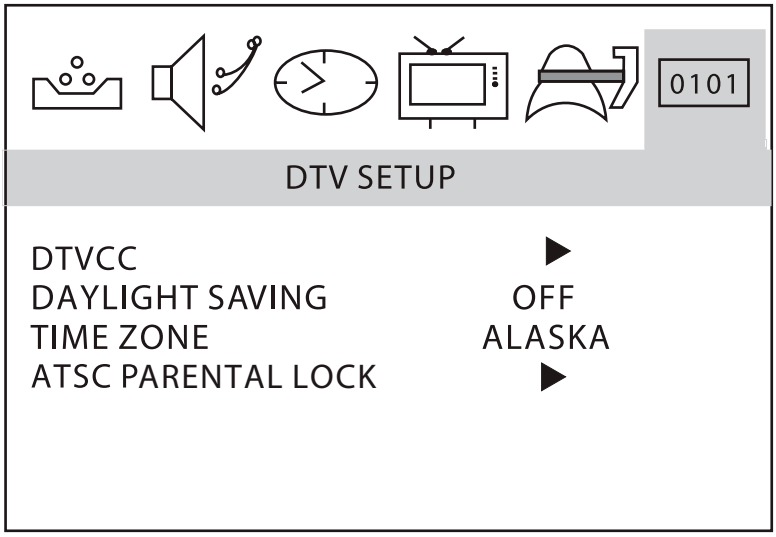
Setting the time zone

When you set the time zone, your TV combo adjusts the time signal from a broadcast out of your area so the clock displays your local time.

To set the time zone:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **DTV SETUP**, then press the **CH–** button. The *DTV SETUP* menu opens.



3. Press the **CH+** or **CH–** button to select **TIME ZONE**, then press the **VOL+** or **VOL–** to select your viewing area time zone. You can select **NEWFOUNDLAND**, **ATLANTIC**, **EASTERN**, **CENTRAL**, **MOUNTAIN**, **PACIFIC**, **ALASKA**, **HAWAII**, or **SAMOA**.

Setting the sleep timer

To set the sleep timer:

1. Press the **SLEEP** button one or more times to select the amount of time you want your TV combo to wait before it automatically turns off. You can select **5** minutes, **10** minutes, **15** minutes, **30** minutes, **45** minutes, **60** minutes, **90** minutes, **120** minutes, **180** minutes, or **240** minutes.
2. To turn off the sleep timer, press the **SLEEP** button one or more times until **OFF** appears on the screen.

Creating a favorite channel list

You can create a favorite channel list so you can quickly tune to a favorite channel.

To create a favorite channel list:

1. Tune to the channel you want to add to the favorite list.

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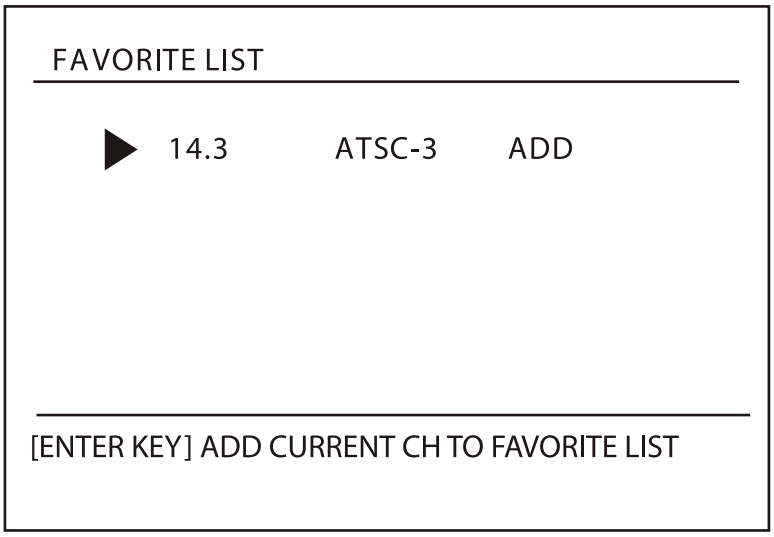
2 Press the **FAV.LIST** button. The *FAVORITE LIST* screen opens.



3 Press the **ENTER** button to add the channel to the favorite list.

To view a favorite channel:

1 Press the **FAV.LIST** button. The *FAVORITE LIST* screen opens.

2 Press the **CH+** or **CH–** to select the favorite channel you want watch. The *FAVORITE LIST* screen closes, and your TV combo tunes to the channel you selected.

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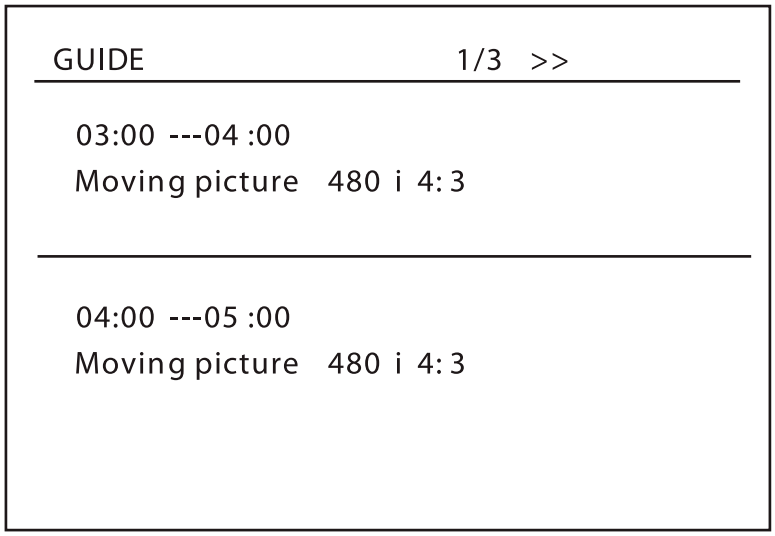
Viewing the program guide for DTV

If the digital TV channel or program has electronic program guide (EPG) information, you can view this information.

To use the EPG:

1 Press the **GUIDE** button. The EPG opens.



2 Press the **VOL+** or **VOL–** button to select a program. Information about the program appears.

3 Press the **GUIDE** or **EXIT** button to close the guide and watch the program you selected.

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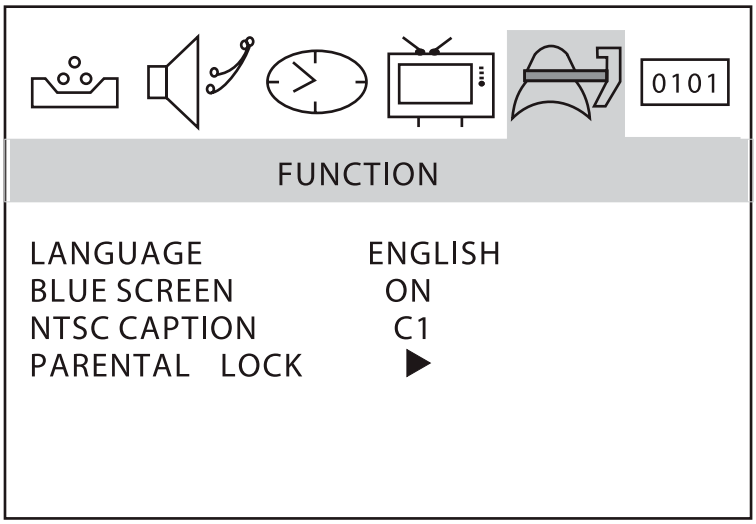
Selecting the TV on-screen display language

You can select the language used for the TV on-screen display (OSD).

To select the TV OSD language:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **FUNCTION**, then press the **CH–** button. The *FUNCTION* menu opens.



3. Press the **CH+** or **CH–** button to select **LANGUAGE**, then press the **VOL+** or **VOL–** button to select **ENGLISH**, **SPANISH**, or **FRENCH**.
4. Press the **MENU** button one or more times to close the OSD.

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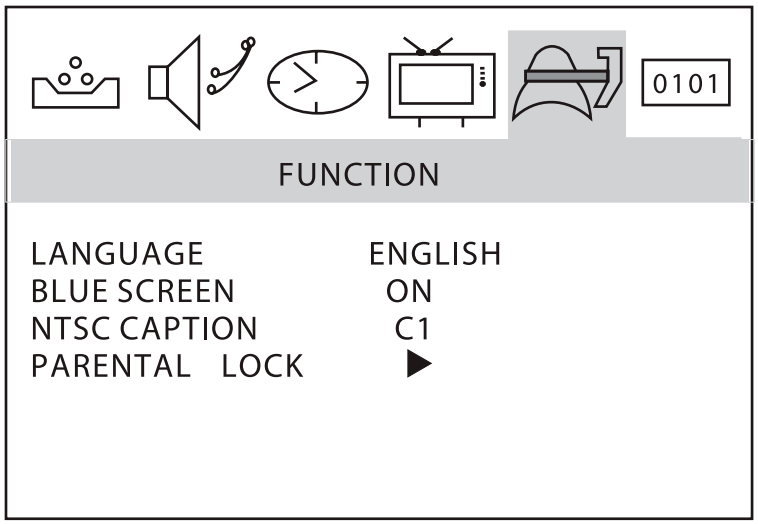
Turning the blue screen on or off

When your TV combo is tuned to a channel that does not have a signal, you can specify whether you want the blank screen to be blue.

To turn the blue screen on or off:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **FUNCTION**, then press the **CH–** button. The *FUNCTION* menu opens.



3. Press the **CH+** or **CH–** button to select **BLUE SCREEN**, then press the **VOL+** or **VOL–** button to select **OFF** or **ON**.
4. Press the **MENU** button one or more times to close the OSD.

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Displaying closed captions

Closed captions are usually displayed in Captions mode or Text mode. Captions mode usually displays captions for the program's audio language. CC1 usually displays English. CC2 usually displays a secondary language. Text mode usually displays other types of information, such as a program schedule.

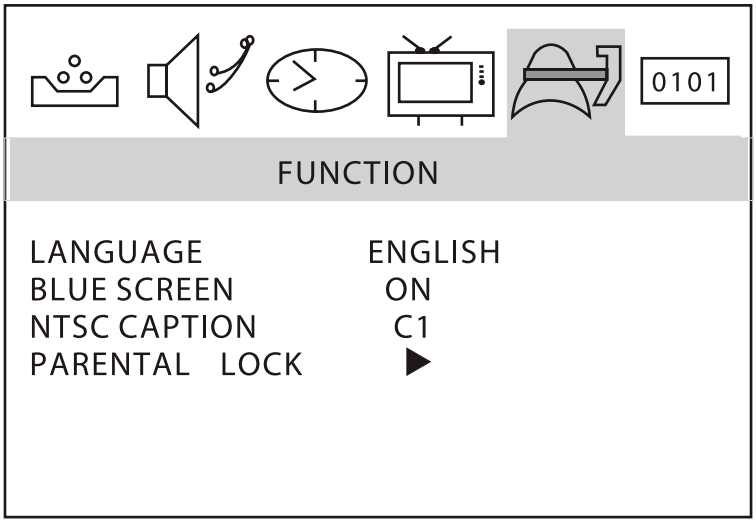
Using closed captions in analog NTSC channels

If your TV combo is set to receive analog TV channels and the color system is set to NTSC, you can specify how you want closed captions to be displayed.

Note: *You can press the* ***CCD*** *button on the remote control to adjust closed captions.*

To display closed captions:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **FUNCTION**, then press the **CH–** button. The *FUNCTION* menu opens.



3. Press the **CH+** or **CH–** button to select **NTSC CAPTION**.
4. Press the **VOL+** or **VOL–** button to select **OFF**, **C1**, **C2**, **C MUTE**, **TEXT1**, or **TEXT2**.

   Note: *C1, and C2 display closed captions across the bottom of the TV screen. This type of closed captions is usually the audio part of the program. TEXT1 and TEXT2 display closed captions in a large black box that covers almost all of the TV screen. This type of closed captions is usually messages provided by the broadcaster.*

5. Press the **MENU** button one or more times to close the OSD.

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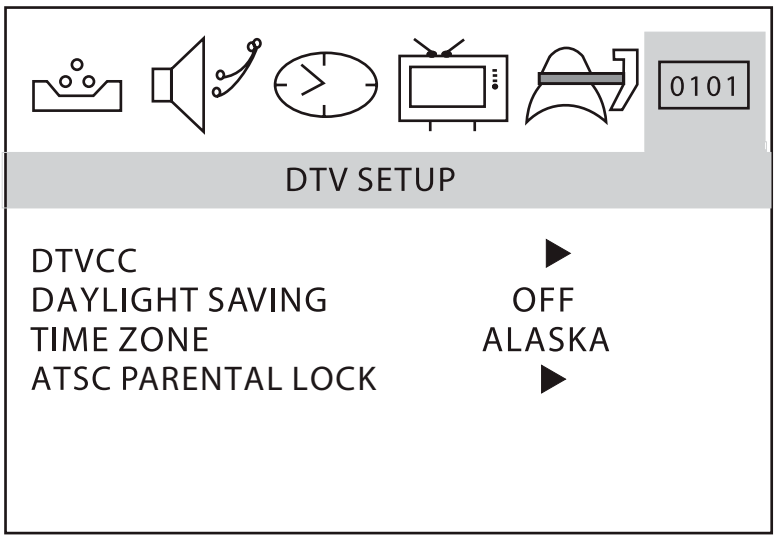
Using closed captions in digital channels

If your TV combo is set to receive digital TV channels, you can specify how you want closed captions to be displayed.

Note: *You can press the* ***CCD*** *button on the remote control to turn closed captions on or off.*

To turn closed captions on or off:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **DTV SETUP**, then press the **CH–** button. The *DTV SETUP* menu opens.



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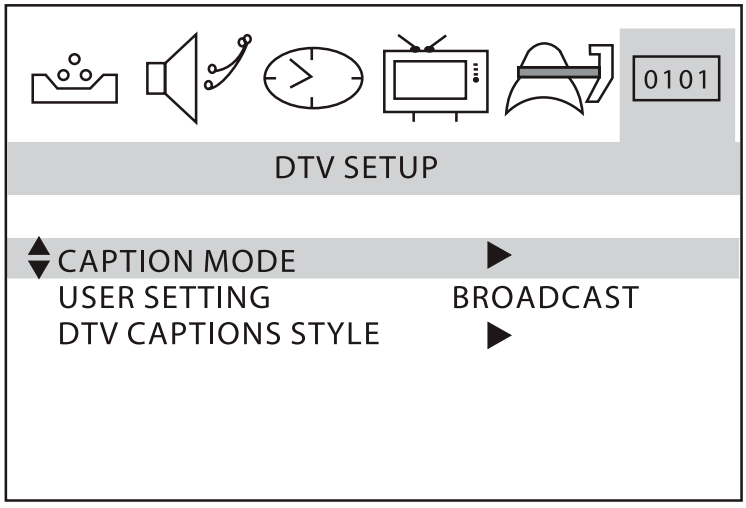
3 Press the **CH+** or **CH+** button to select **DTV CC**, then press the **VOL+** button.



4 Press the **CH+** or **CH–** button to select **CAPTION MODE**.

5 Press the **VOL+** button, then press the **VOL+** or **VOL–** button to select **ON** or **OFF**.

This is my original question.

"Step 5 does not make sense to me. If I press the VOL+ button, then press the VOL+ or VOL– button, seems like I am just switching between on and off repeatedly. Should this step be: Press the VOL+ or VOL– button to select ON or OFF?"

The review comment said to add the information on the bottom of page 29 in the source. That information is included in step 6. The comment did not answer my original question.

In step 5, I press VOL+, then press it again. This does not seem correct. Should the step be "Press the VOL+ button to select ON or OFF."?

6 Press the **CH+** or **CH–** button to select **DTV CC**, then press the **VOL+** or **VOL–** button to select the service level you want. There are six service levels. **SERVICE1** provides closed captions for the audio language for the program. **SERVICE2** provides a secondary audio language for the program. The other service levels vary depending on the program.

Notes: *CAPTION MODE must be turned on to select a service level.*

When you turn on closed captions, it takes about ten seconds before captioning appears.

If the program does not have closed captions, no captions are displayed, but your TV combo is still in CAPTION MODE. If you change to a channel that has closed captions, the captions are displayed.

Misspellings or unusual characters may appear in closed captions. This is normal, especially for live programs because the captions are entered live with no time for editing.

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When captions are displayed, on-screen displays, such as volume level or mute, may not appear. If the OSD is opened, captions may disappear. When you close the OSD, captions will reappear.

Some cable systems and copy protections systems may interfere with the closed caption signal.

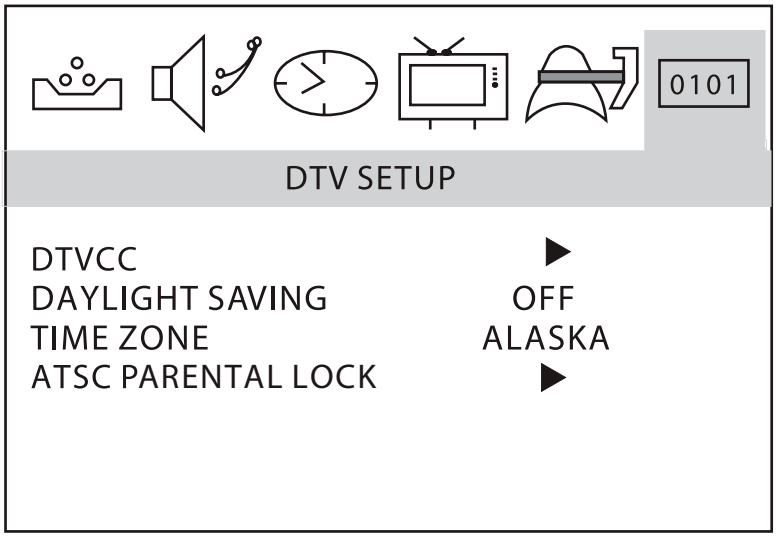
If you are using an indoor antenna or if TV reception is poor, closed captions may not appear or may appear with strange characters or misspelled words. If this occurs, adjust the indoor antenna for better reception or use an outside antenna.

Customizing closed captions for digital channels

You can customize how closed captions are displayed for digital channels.

To customize closed captions:

1. Press the **MENU** button. The TV on-screen display (OSD) opens.
2. Press the **VOL+** or **VOL–** button to select **DTV SETUP**, then press the **CH–** button. The *DTV SETUP* menu opens.



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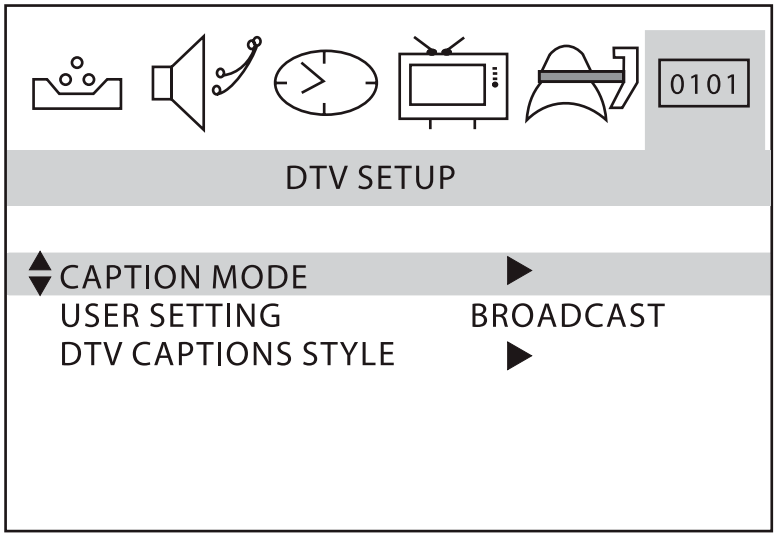
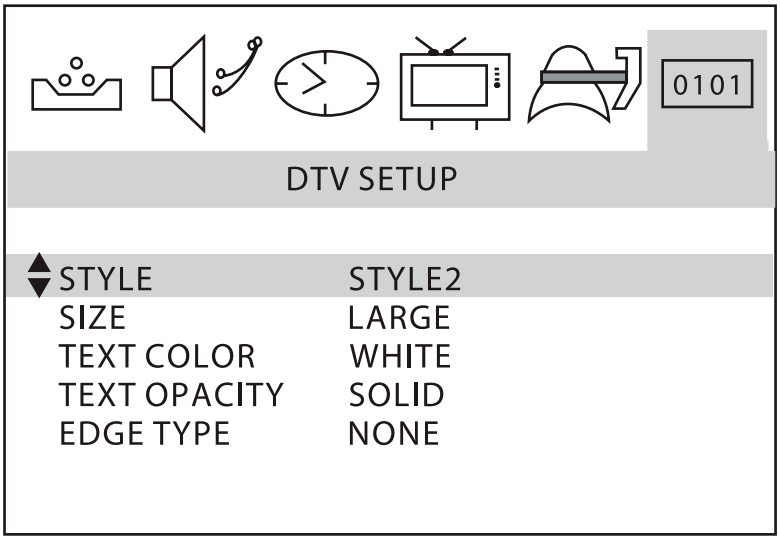
3 Press the **CH+** or **CH+** button to select **DTV CC**, then press the **VOL+** button.



4 Press the **CH+** or **CH–** to select **USER SETTING**.

5 Press the **VOL+** or **VOL–** button to select **CUSTOM**.

6 Press the **CH+** or **CH–** button to select **DTV CAPTION STYLE**, then press the **VOL+** button.



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7 Press the **CH+** or **CH–** button to select the style option you want to adjust, then press the **VOL+** or **VOL–** button to adjust the option. (The **BG COLOR** and **BG OPACITY** options are not visible until you press the **CH–** button to scroll down the list of options.)
   - **STYLE**–Selects the font style. You can select **STYLE1** through **STYLE8**.
   - **SIZE**–Selects the font size of the caption display. You can select **SMALL**, **NORMAL**, or **LARGE**.
   - **TEXT COLOR**–Selects the font color.
   - **TEXT OPACITY**–Selects the opacity of the font.
   - **EDGE TYPE**–Selects the font edge type.
   - **BG COLOR**–Selects the background color.
   - **BG OPACITY**–Selects the background opacity.

Setting parental controls

Your TV combo has a V-CHIP that lets you block certain types of TV programs and movies. When you block a rating, that rating and all other higher ratings are blocked.

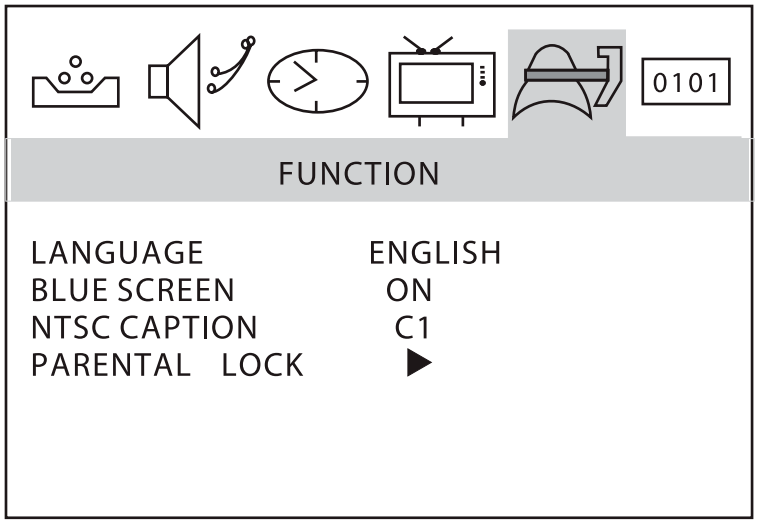
To set parental controls or to temporarily override a blocked rating, you must set a password.

Caution: *Make sure that you select a password that you can remember or that you write down your password. If you forget your password, you cannot change parental controls or override a blocked rating.*

To set a parental controls password:

1 Press the **MENU** button. The TV on-screen display (OSD) opens.

2 Press the **VOL+** or **VOL–** button to select **FUNCTION**, then press the **CH–** button. The *FUNCTION* menu opens.



3 Press the **CH+** button to select **PARENTAL LOCK**, then press the **VOL+** button. The *PLEASE ENTER PASSWORD* screen opens.

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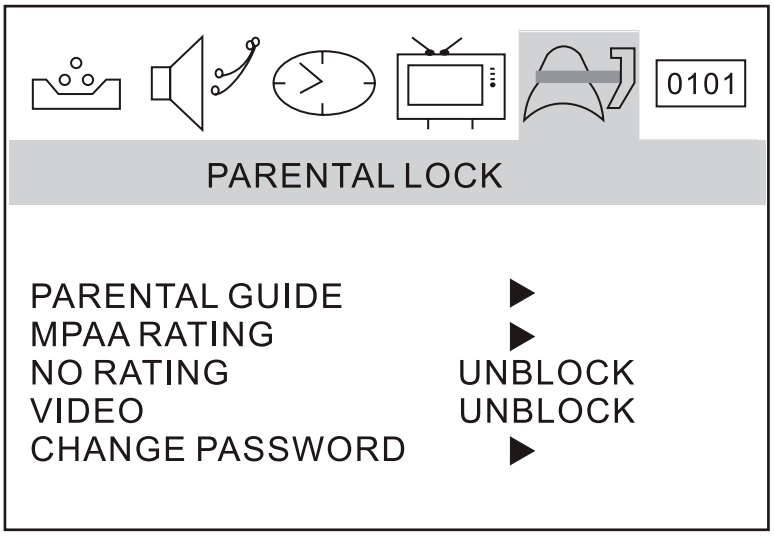
4 Use the number buttons on the remote control to enter the password. The default password is **0000**. After you enter the password, the *PARENTAL LOCK* menu opens.



5 Press the **CH+** or **CH–** button to select a parental lock option.

Changing the password

To change the password:

1 Press the **MENU** button. The TV on-screen display (OSD) opens.

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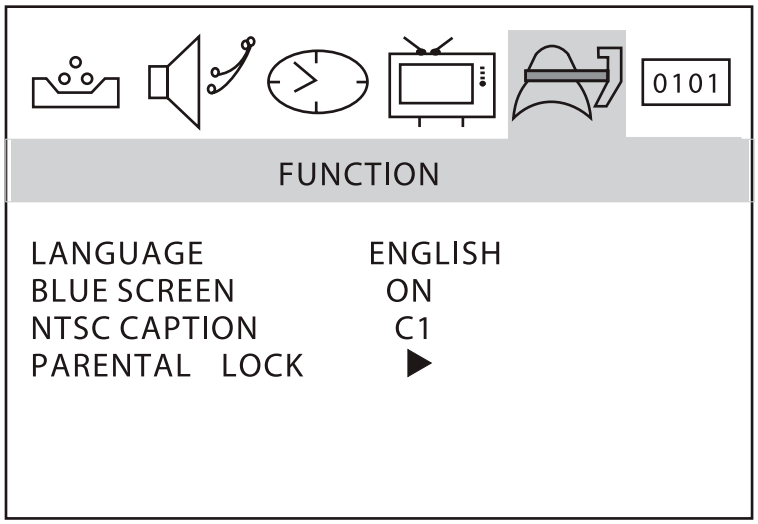
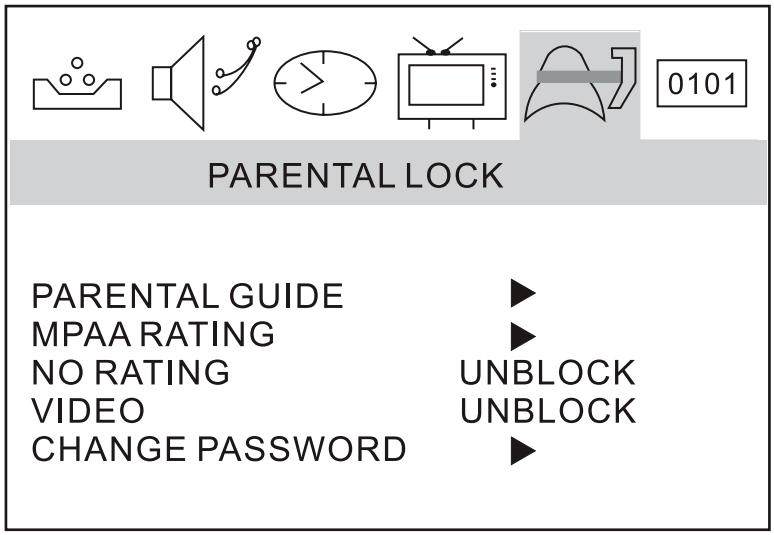
2 Press the **VOL+** or **VOL–** button to select **FUNCTION**, then press the **CH–** button. The *FUNCTION* menu opens.



3 Press the **CH+** button to select **PARENTAL LOCK**, then press the **VOL+** button. The *PLEASE ENTER PASSWORD* screen opens.

4 Use the number buttons on the remote control to enter the old password. The default password is **0000**. After you enter the password, the *PARENTAL LOCK* menu opens.

Note: *If you forget the password, enter 9443 to reset the password.*



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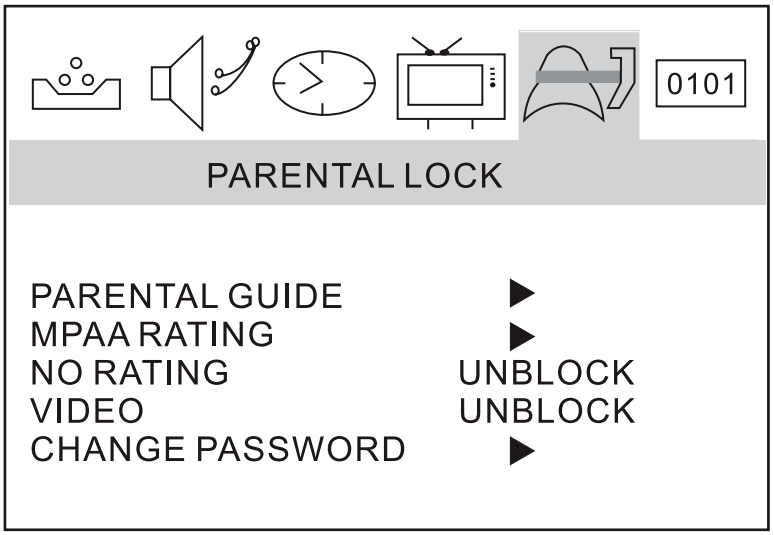
5 Press the **CH–** button to scroll down and select **CHANGE PASSWORD**, then press the **VOL+** button. (This option is not visible until you scroll down the list of options.)

6 Use the number buttons to enter the new password, then enter the new password again.

7 Press the **MENU** button one or more times to close the menu.

To turn the parental lock on or off:

1 Open the *PARENTAL LOCK* menu.



2 Press the **CH+** or **CH–** button to select **PARENTAL LOCK**, then press the **VOL+** or **VOL–** button to select **ON** or **OFF**.

3 Press the **MENU** button one or more times to close the OSD.

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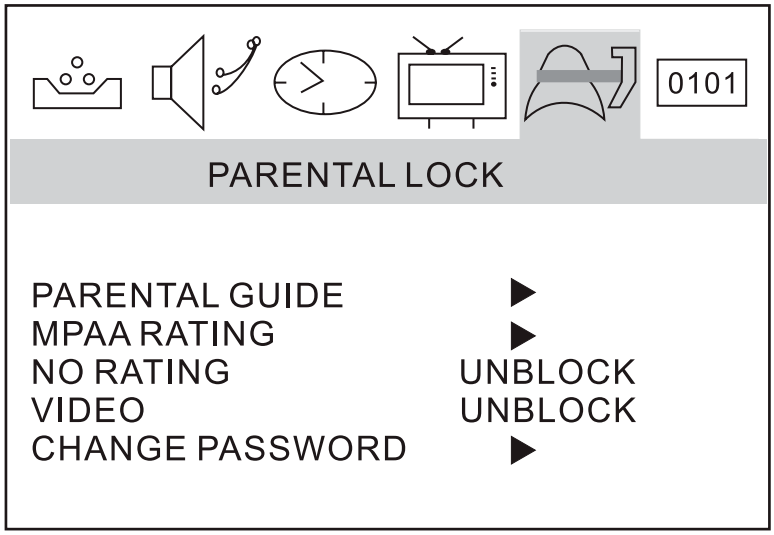
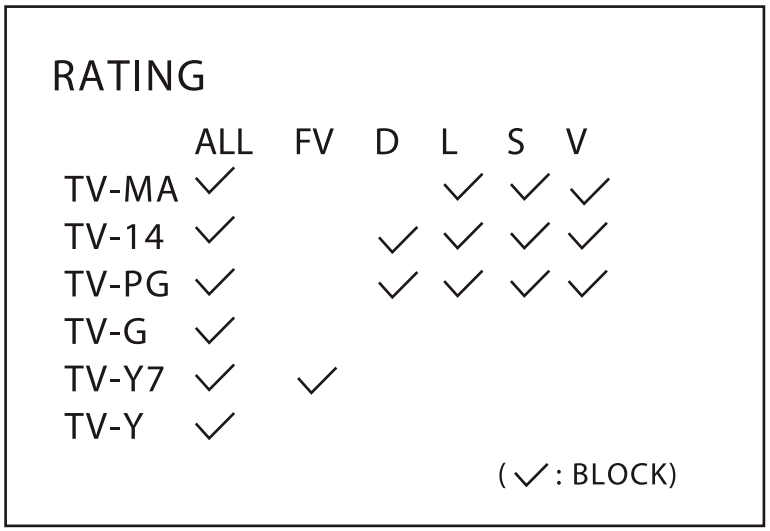
To block or unblock TV ratings:

1 Open the *PARENTAL LOCK* menu.



2 Press the **CH+** or **CH–** button to select **PARENTAL GUIDE**, then press the **VOL+** or **VOL–** button.The *RATING* screen opens.



3 Press the **CH+** or **CH–** button to select a TV rating, then press the **VOL+** or **VOL–** button to block or unblock a rating. Some ratings have sub-ratings that let you block. A check mark indicated that a rating or sub-rating is blocked.

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Main TV ratings are:

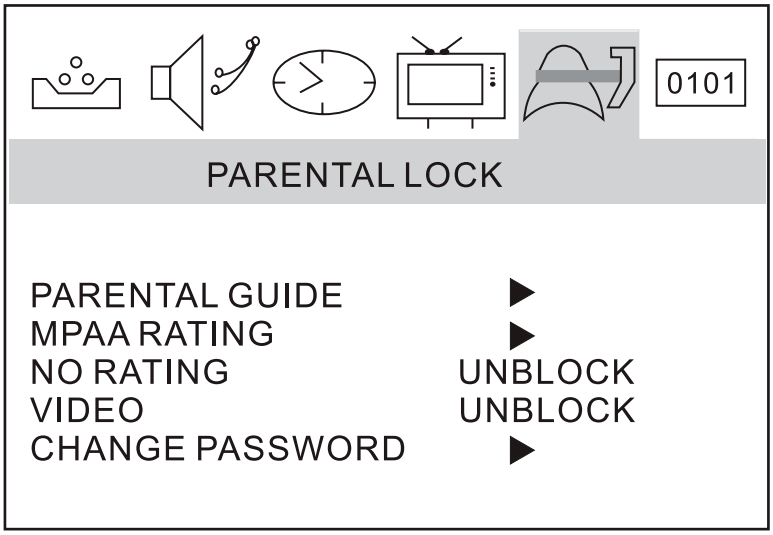
- **TV-Y**–All children
- **TV-Y7**–Children seven years and older
- **TV-G**–General audiences
- **TV-PG**–Parental guidance suggested
- **TV-14**–Parental guidance strongly suggested for children under 14
- **TV-MA**–Mature audiences only

TV sub-ratings are:

- **ALL**–(Applies to TV-G, TV-PG, TV-14, and TV-MA) what does this rating block or do?
- **FV**–Fantasy violence. You can set this rating for TV-Y and TV-Y7.
- **D**–Sexual dialog. You can set this rating for TV-PG and TV-14.
- **L**–Adult language. You can set this rating for TV-PG, TV-14, and TV-MA.
- **S**–Sexual situations. You can set this rating for TV-PG, TV-14, and TV-MA.
- **V**–Violence. You can set this rating for TV-PG, TV-14, and TV-MA.

To block or unblock movie ratings:

1 Open the *PARENTAL LOCK* menu.



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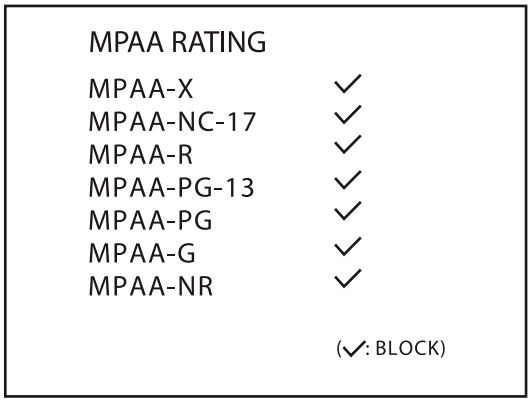
2 Press the **CH+** or **CH–** button to select **MPAA RATING**, then press the **VOL+** or **VOL–** button. The movie rating screen opens.



3 Press the **CH+** or **CH–** button to select the movie rating you want to block or unblock, then press the **VOL+** or **VOL–** button to block or unblock the rating. A check mark indicates that a rating is blocked. When you block a rating, that rating and all higher ratings are blocked.

- NR–Not rated
- G–General audiences
- PG–Parental guidance suggested
- PG-13–Parental guidance strongly suggested for children under 13
- R–Parental guidance recommended for 17 and under
- NC-17–Not recommended for 17 and under
- X–Adults only

4 Press the **MENU** button one or more times to close the OSD.

Setting the ATSC parental lock

What is the purpose of this lock? How is this lock different from the PARENTAL LOCK?

Note: *The ATSC PARENTAL LOCK option only appears if the TV signal carries V-CHIP information.*

To set the ATSC parental lock:

1 Press the **MENU** button. The TV on-screen display (OSD) opens.

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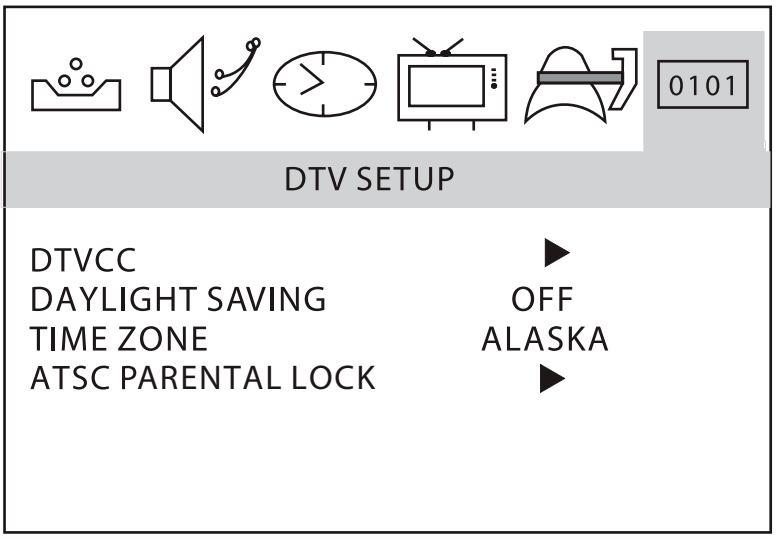
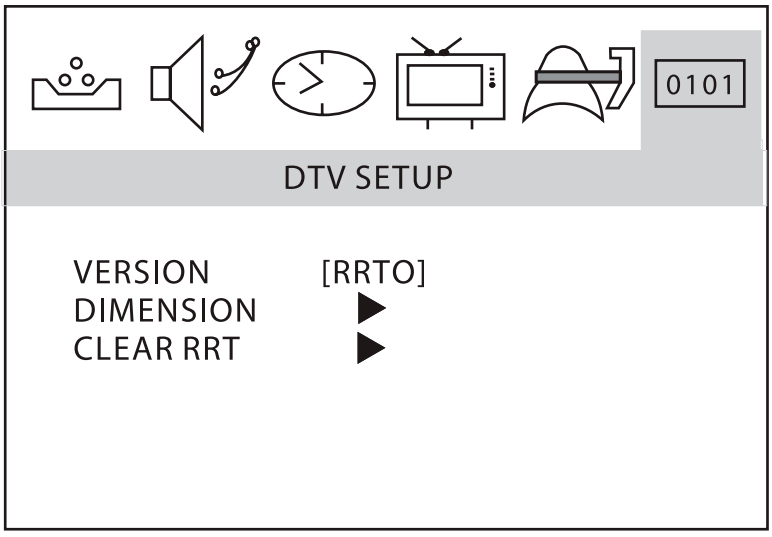
2 Press the **CH+** or **CH–** button to select **DTV SETUP**, then press the **VOL–** button. The *DTV SETUP* menu opens.



3 Press the **CH+** or **CH–** button to select **ATSC PARENTAL LOCK**. The *ENTER CODE* screen opens.

4 Use the number buttons to enter the four-digit password. The default password is **0000**.



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5 Press the **CH+** or **CH–** button to select an option, then press the **VOL+** or **VOL–** button to adjust the option.
   - VERSION–Displays the V-CHIP broadcast source version.
   - DIMENSION–The information displayed here varies depending on the V-CHIP signal.
   - CLEAR RRT–Clears the VERSION field.

Using the DVD player

Playing a disc

To play a disc:

1 Press the **TV/DVD** button to switch to DVD mode.
2 Press the **OPEN/CLOSE** button to open the disc tray.
3 Place a disc, label side up, into the disc tray. Your TV combo plays two different sizes of discs. Make sure that you place the disc into the correct disc guide. If the disc is inserted incorrectly when you close the tray, the disc or your TV combo may be damaged.
4 Press the **OPEN/CLOSE** button to close the disc tray. Playback should start automatically. If playback does not start automatically, press the **PLAY/ENTER** button.
5 If a disc menu opens, press the ▼, ▲, ◀, or ▶ button to select a menu option, then press the **PLAY/ENTER** button.

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Controlling disc playback

To control disc playback:

- Press the **PAUSE/STEP** button to pause playback. Press the **PLAY/ENTER** button to resume playback.
- Press the **STOP** button once to stop playback. Press the **PLAY/ENTER** button to resume playback at the place on the disc where you stopped.
- Press the **STOP** button twice to completely stop playback. When you press the **PLAY/ENTER** button again, the disc starts playing back at the beginning.
- Press the **PREV** button to go to the previous DVD chapter or audio track. Each time you press this button, you go backward one chapter or track until you reach the beginning of the disc.
- Press the **NEXT** button to go to the next DVD chapter or audio track. Each time you press this button, you go forward one chapter or track until you reach the end of the disc.
- Press the **FWD** button to fast-forward through a disc. Each time you press this button, the fast-forward speed changes.
- Press the **REV** button to fast-reverse through a disc. Each time you press this button, the fast-reverse speed changes.
- Press the **PAUSE/STEP** button to pause playback, then press this button again to go to the next frame on a DVD. Each time you press this button, the video advances one frame. Press the **PLAY/ENTER** button to resume normal playback.
- Press the **SLOW** button to play a disc forward slowly. Each time you press this button, the slow motion speed changes. Press the **PLAY/ENTER** button to resume normal playback. (This feature does not work with CDs or MP3 discs.)

Searching on a disc

To search on a disc:

- Press the **SEARCH** button once. *Disc Go To --:--* appears. Use the number buttons to enter the amount of time you want to go forward on the disc.
- Press the **SEARCH** button twice. *Track Go To --:--* appears. Use the number buttons to enter the track number you want to go to.
- Press the **SEARCH** button three times. *Select Track --/03* appears. Use the number buttons to enter the track number you want to go to.

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Selecting the audio mode

I do not understand how this feature works. What type of discs do the listed options apply to? Is this just for DVDs? Or does it apply to audio CDs as well?

To select the audio mode:

- Press the **AUDIO** button one or more times. Button presses must be within three seconds of each other. The options you can select vary depending on the disc.
  - Audio 1/2: AC 3 2 CH English
  - Audio 2/2: AC 3 5.1 CH English
  - Mono Left
  - Mono Right
  - Mix-Mono
  - Stereo

Viewing subtitles on a DVD

Note: *Some DVDs do not have subtitles.*

To view subtitles on a DVD:

- Press the **SUBTITLE** button. *SUBTITLE 01/XX XXXXX* appears on the screen. *01* indicates the original disc language. *XX* indicates the total number of subtitle languages on the disc. *XXXXX* indicates the language. The subtitle feature can display as many as 32 languages, depending on the number of languages recorded on the DVD.

Repeating a DVD chapter, DVD title, or an entire DVD

To repeat a DVD chapter, DVD title, or an entire DVD:

- Press the **REPEAT** button one or more times. The first time you press this button, the currently playing DVD chapter is repeated. The second time you press this button, the currently playing DVD title is repeated. The third time you press this button, the entire DVD is repeated. The fourth time you press this button, the repeat feature is turned off.

Creating a playback loop

To create a playback loop:

1. Find the place on the disc where you want the playback loop to start, then press the **A-B** button.
2. Find the place on the disc where you want the playback loop to end, then press the **A-B** button. Your TV combo plays the playback loop continuously.
3. To cancel the playback loop, press the **A-B** button.

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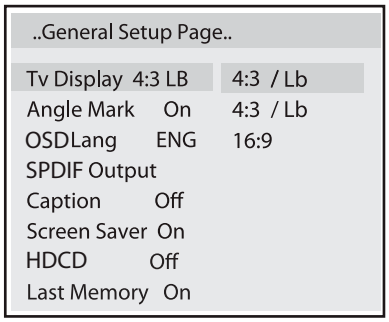
Viewing different recording angles

Some DVDs have scenes that are recorded from different viewing angles.

To view different recording angles:

1. Press the **SETUP** button. The DVD on-screen display opens at the *General Setup Page*.



2. Press the ▼ or ▲ button to select **Angle Mark**, then press the **PLAY/ENTER** button.
3. Press the ▼ or ▲ button, then press the **PLAY/ENTER** button to select **On**.
4. Press the **SETUP** button one or more times to close the DVD OSD. When multiple viewing angles are available on a DVD, an angle mark appears on the screen.
5. When the angle mark appears on the screen during DVD playback, press the **ANGLE** button one or more times to view different viewing angles.

Opening the main DVD menu

To open the main DVD menu:

- Press the **D.MENU** button.

Opening the DVD title menu

With some DVDs, you can use the remote control to open a title menu.

To open the DVD title menu:

1. Press the **TITLE** button. If the DVD has a title menu, it opens.
2. Use the number buttons to select the item you want.

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Displaying information about a disc

To display information about a disc:

- Press the square **DISPLAY** button one or more times. Each time you press this button, the display changes from:
  - **Title Elapsed**–Shows the elapsed playing time for the title.
  - **Title Remain**–Shows the remaining playing time for the title.
  - **Chapter Elapsed**–Shows the elapsed playing time for the chapter.
  - **Chapter Remain**–Shows the remaining playing time for the chapter.
  - **Display off**–Turns the information display off.

Selecting a program for playback

To select a program for playback:

1. While the disc is playing, press the **PROGRAM** button.
2. Use the number buttons to enter the number of the program you want to play, then press the ▼, ▲, ◀, or ▶ button to select **START**, then press the **PLAY/ENTER** button. Your TV combo starts playing the program, and Program appears in the top left of the screen.
3. To cancel Program mode, press the **PROGRAM** button, select **STOP**, then press the **PLAY/ENTER** button.

Using the DVD on-screen display (OSD)

The screen you see when you open the on-screen display (OSD) varies depending on whether a disc is playing.

To use the DVD on-screen display (OSD):

1. Press the **SETUP** button.

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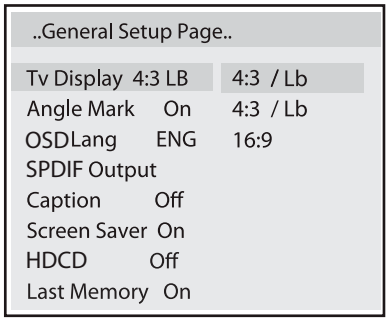
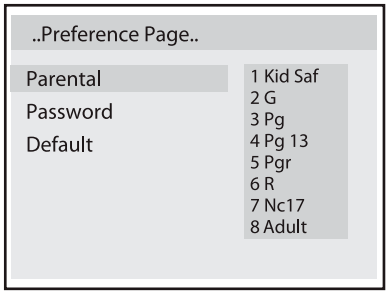
- If a disc is playing, the DVD OSD opens at the *General Setup Page*.



- Or, if a disc is not playing and the disc tray is empty, press the **SETUP** button twice to open the *Preference Page*.



2. Press the ▼ or ▲ button to select an option, then press the **PLAY/ENTER** button. To view more options, press the **CH–** button.
3. Press the ▼ or ▲ button to select a sub-option, then press the **PLAY/ENTER** button.
4. How does the user change an option?
5. Press the **SETUP** button one or more times to close the OSD.

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OSD General Setup Page

This menu appears when a disc is playing.

Option	Sub-options
Tv Display	**For the built-in TV:** 4:3 LB–Image fills the screen. **For an external TV:** 4:3/PS–Pan and Scan–If the external TV has a 4:3-sized screen, widescreen content fills the screen, but the left and right sides of the image are cropped. This option only works if the DVD is coded for this type of display. This type of DVD is rare. 4:2/LB–If the external TV has a 4:3-sized screen, all of widescreen content is displayed. The left and right sides are not cropped, but black bars appear above and below the image. 16:9–If the external TV has a 16:9-sized screen, all the widescreen content is displayed. Some DVDs may still display black bars above and below the image if the DVD was recorded in the ultra widescreen format.
Angle Mark	Turns the angle mark on and off. If a DVD has screens recorded at different viewing angles and this sub-option is turned on, the angle mark appears when multiple viewing angles are available.
OSD Lang	Selects the language for the on-screen display (OSD).
SPDIF Output	Sets the audio outputs. • SPDIF OFF–Analog surround sound is sent to the 2-channel or 5.1-channel audio jacks on the back of your TV combo. • SPDIF/RAW–The original Surround sound is sent to a Dolby Digital/DTS decoder through the coaxial audio connector on the back of your TV combo. • SPDIF/PCM–The Surround sound is sent to a Dolby Digital/DTS decoder through the coaxial audio connector on the back of your TV combo after PCM recoding.
Caption	Turns closed captions on or off.
Screen Saver	If this option is turned on, the screen saver appears when the DVD player is idle for more than three minutes.
HDCD	If you are playing a standard CD, set this option to off. If you are playing an HDCD, set this option to 44.1 k or 88.2 k depending on the type of HDCD you are playing.

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Option	Sub-options
Last Memory	Turns the last memory feature on or off. When this sub-option is turned on, your TV combo remembers where you stopped playback on a disc, and starts playback at that point when you press the **PLAY/ENTER** button.

OSD Preference Page

This page appears when a disc is not playing or when the disc tray is empty.

Option	Description
Parental	Lets you block DVD ratings. You must enter a password to access this option. The default password is 1234. When you block a rating, that rating and all higher ratings are blocked. You can select: • 1 Kid Safe–Safe for all children. • 2 G–General audiences. • 3 Pg–Parental guidance suggested. • 4 Pg13–Suitable for children 13 and over. Parental guidance suggested. • 5 Pgr–Parental guidance strongly suggested. • 6 R–Restricted. Under 17 requires parental guidance. • 7 Nc17–No one under 17. • 8 Adult–Adults only. • OFF–Turns off parental controls.
Password	Lets you change the default password. You must enter the default password, enter your new password, then enter your new password again to confirm. If you forget your password, enter 1369.
Default	Resets all DVD player settings to the factory defaults, except the password and the parental lock status.

Playing JPEG discs

JPEG is a picture format that lets you save pictures in small files sizes. JPEG files end with the .jpg file extension.

To play a JPEG disc:

1. Insert a JPEG disc into the disc tray. A file menu appears.
2. Press the ▼ or ▲ button to select a picture, then press the **PLAY/ENTER** button to view the picture. Your TV combo starts playing a slideshow of the pictures on the disc.
3. Press the **PREV** or **NEXT** button to move between pictures.
4. Press the **PAUSE/STEP** button to pause the slideshow. Press the **PLAY/ENTER** button to resume playback.

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Playing MP3 discs

To play an MP3 disc:

1. Insert an MP3 disc into the disc tray. A file menu appears.
2. Press the ▼ or ▲ button to select a folder, then press the **PLAY/ENTER** button.
3. Press the ▼ or ▲ button to select a file, then press the **PLAY/ENTER** button. The file you selected plays.
4. Press the **PREV** or **NEXT** button to skip to another file.
5. Press the ◀ button to go back to a previous menu or screen.

Playing MPEG4 files

MPEG4 is the latest standard in video and audio compression. The audio on an MPEG4 disc is recorded in WMA or MP3 format.

With MPEG4 technology:

- An entire DVD movie can be compressed to fit on one or two CD-Rs with good picture quality.
- Several movies can be recorded on a CD-R with the picture quality of a VCD.
- Several movies can be recorded on a DVD-ROM with the picture quality of a standard video DVD.

MPEG4 discs come in different formats, such as XVID, AVI, DIVX, and RM. However, not all discs that are labeled MPEG4 are recorded in an MPEG4 format. This means that your TV combo may not be able to play some MPEG4 discs.

Depending on the recording format, your TV combo may not be able to display subtitles.

Your TV combo supports the WMA format as a single audio file or the audio associated with a DIVX-formatted or XVID -formatted disc.

Your TV combo supports GMC (Global Motion Compensation) for DIVX5 files but not for XVID files. GMC enhances video quality.

Playable discs

You TV combo can play discs that are 12 cm or 8 cm in size

Disc	Label	Contents
DVD video	DVD VIDEO DVD VIDEO	Audio and video (moving picture)
Audio CD	COMPACT disc DIGITAL AUDIO	Audio
HDCD	HDCD®	Audio
MP3	MP3	Audio

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Disc	Label	Contents
JPEG	JPEG	Video (pictures)
Kodak CD	Kodak PICTURE CD COMPATIBLE	Video (pictures)
CD-R	CD•R	Audio or video (moving picture)
CD-RW	CD-RW	Audio or video (moving picture)
CD+G	CD+G	Audio
DIVX	DIVX VIDEO	Audio and video (moving picture)

Note: *You cannot play discs other then those listed.*

You cannot play non-standard discs, even if they have the preceding labels.

Depending on how they were recorded, CD-Rs and CD-RWs may not play.

Region management information

Your TV combo is designed and manufactured to respond to the region management information that is encoded on DVD discs. If the region number printed on a DVD does not correspond to the region number for your TV combo, your TV combo cannot play that disc. The region number of your TV combo is 1.

You may not be able to play some DVDs on your TV combo if they were purchased from outside your geographic area or made for business purposes.

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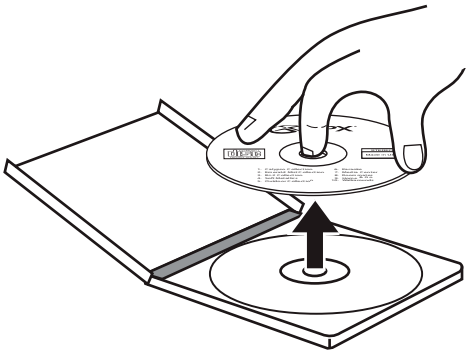
Maintaining

Handling discs

- To remove a disc from its case, hold it at the edges while you press down gently on the center hole.



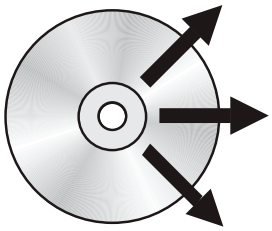
- Do not touch the shiny surface of the disc or bend the disc.
- Place the disc in the disc tray with the label facing up.
- Store discs in their cases when you are not using them.
- Do not store discs in areas where they can get hot, such as an automobile.
- Do not write on the label side of the disc with a ballpoint pen because you may scratch the surface.

Cleaning discs

A dirty disc may not play correctly.

To clean a disc:

- With a soft cloth, wipe the disc in a straight line from the center to the edge.



Caution: *do not use any solvent, such as record spray, thinner, or benzene, to clean a disc.*

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Troubleshooting

Warning: *Do not try to repair your TV combo yourself. Refer all servicing to qualified service personnel. Do not remove the back cover. Your TV combo has dangerous electrical voltages inside that may cause a fire or injury.*

Note: *Your TV combo may make occasional snapping or popping noises. This is caused by materials in the cabinet expanding or contracting when the room temperature changes. This is normal.*

Symptom	Solution
No picture or sound.	Make sure that the power cord is connected to a power outlet and that the outlet is supplying power. Make sure that your TV combo is not in Listen mode. Adjust the brightness and contrast.
Picture has snow.	Make sure that the antenna is connected securely. Adjust the antenna.
Picture has double or triple image.	If you are using an inside antenna, try installing an outside antenna. Make sure that the antenna is connected securely. Make sure that the antenna cables and connectors are in good condition. Replace them as necessary. Adjust the antenna.
Picture has wavy lines.	You may be experiencing interference from cars, motorcycles, fluorescent lights, or overhead power cables. Try moving your TV combo or adjusting the antenna.
No sound.	Make sure that the sound is not muted. Increase the volume.
Picture has no color.	Adjust the color controls.
Picture is scrambled and sound is poor.	You may be tuned to a channel with a weak signal. Try changing the channel.

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Symptom	Solution
Color is spotty.	This can be caused when you move your TV combo, when magnets are placed too close to your TV combo, or when appliances are turned on or off. Turn off your TV combo for 15 minutes, then turn it on. Your TV combo automatically degausses (demagnetizes) the picture. If this does not work, turn off your TV combo and leave it off overnight.

Specifications

Note: *Design and specifications subject to change without notice. Dimensions are approximate.*

Color system	ATSC
Sound system	M
Picture tube	20" color
Sound output power	2 × 2 W (10% THD)
Power requirements	AC 120 V ~ 60 Hz
Power consumption	80 W
Dimensions W × D × H	19.92 × 18.88 × 20.13 inches (50.60 × 51.14 × 47.95 cm)
Accessories	Remote control (1) User guide (1) Batteries (AA × 2)

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Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

Laser safety

Your TV combo employs a laser. Only a qualified service person should remove the cover or attempt to service your TV combo because of possible eye injury.

Warning: *Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Visible and invisible laser radiation is present when open and interlock defeated. Do not stare into beam. The laser is located inside, near the deck mechanism.*

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Copyright

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For service and support call (800) 305-2204.

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90-day limited warranty

Dynex Products ("Dynex") warrants to you, the original purchaser of this new **DX-R20TR** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of 90 days from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Dynex brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Dynex during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 90 days from the date you purchased the Product. The purchase date is printed on the receipt you received with the product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Dynex repair center or store personnel, Dynex will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Dynex and are not returned to you. If service of Products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Dynex Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 25 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the Product in the United States and Canada.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

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This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Dynex to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. DYNEX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. DYNEX PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Dynex:

For customer service please call 1-800-305-2204
www.dynexproducts.com

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